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सं. 42] नई दिल्ली, सनिधार, अक्टूबर 18, 1980 (आश्विन 26, 1902)

No. 42] NEW DELHI, SATURDAY, OCTOBER 18, 1980 (ASVINA 26, 1902)

इस माग में भिन्न पृष्ठ संख्या से जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 18th October, 1980

CORRIGENDUM

In the Gazette of India, Part-III, Section 2 dated 23rd February, 1980, in page 107, Column-2, under the heading "PATENTS SEALED", line 1, after 146426, for "146426" read "146447" and line 2, for "16531" read "146531".

In the Gazette of India, Part-III, Section 2 dated 8th March, 1980, in page 124, column 2, under the heading "PATENTS SEALED", line 3, for "145573" read "146573".

In the Gazette of India, Part-III, Section 2 dated 29th March, 1980, in page 174, column 2, under the heading "RESTORATION PROCEEDINGS", item (1), lines 2 and 3, after "restoration of" insert "Patent No. 113284".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017.

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

9th September 1980

1022/Cal/80. Central Fuel Research Institute. Improvements in or relating to the production of petroleum coke.

1023/Cal/80. Central Fuel Research Institute. Improvements in or relating to the production of petroleum coke substitute.

1024/Cal/80. Siemens Aktiengesellschaft. Cable connector.

1025/Cal/80. K. S. Gandhi. Improvements in or relating to heat exchangers.

1026/Cal/80. Sid Richardson Carbon & Gasoline Co. Method of and apparatus for burning wet lean gas.

1027/Cal/80. Maschinenfabrik Rieter A. G. Spinning preparatory machine.

1028/Cal/80. Ti Motsec Limited (formerly Metal Sections Limited). Furlins. [Divisional date January 17, 1978].

1029/Cal/80. Ruti Machinery Works Ltd. Drive device for the band wheel of a band-gripper loom.

1030/Cal/80. Ruti Machinery Works Ltd. Gripper head for loom working with removal of the filling thread from stationary bobbins.

1031/Cal/80. Ruti Machinery Works Ltd. Threaded light metal gripper with reinforcement rib.

10th September, 1980

1032/Cal/80. Montedison S.p.A. Liquid insecticide compositions containing synthetic pyrethroids.

1033/Cal/80. Cummins Engine Company, Inc. Internal combustion engine with integral upper cylinder section and head.

1034/Cal/80. Sankar Hazra. 2 direct current induction motor (wound rotor & squirrel cage).

1035/Cal/80. Voest-Alpine Aktiengesellschaft. Conveying equipment for a mining machine.

1036/Cal/80. K. S. Gandhi. Electric hand lamps or torches.

1037/Cal/80. Stone & Webster Engineering Corporation. Low residence time solid-gas separation device and system. (July 4, 1980).

11th September 1980

- 1038/Cal/80. Xerox Corporation. Open loop controller.
- 1039/Cal/80. B. Reymont. Solar collector containing a parabolic reflector element.
- 1040/Cal/80. The Terrell Machine Company. Apparatus and method for separating entrained particulate matter from a conveying fluid.
- 1041/Cal/80. Hermann Schwabe. Process for the production of E-shaped core, laminations and I-shaped return core laminations of an impedance coil or of a transformer especially for glow-discharge lamps.
- 1042/Cal/80. K. S. Gandhi. Improvements in or relating to a process and apparatus for flash aging dyed or printing textile fabrics.

12th September 1980

- 1043/Cal/80. K. S. Gandhi. Improvements in or relating to a method or process of printing textiles and an apparatus therefor.
- 1044/Cal/80. Ireco Chemicals. A blasting composition containing particulate oxidizer salts.
- 1045/Cal/80. Minnesota Mining and Manufacturing Company. Modular connector and protector.
- 1046/Cal/80. Energiagazdalkodasi Intezet. Method and apparatus for drying products especially corn or piece products.

15th September 1980

- 1047/Cal/80. S. C. Srivastava. Method of extracting sodium hydroxide from sludge, a by-product in the aluminium manufacturing industry.
- 1048/Cal/80. Hermann Traub GMBH & Co. A method of determining the position of a tool tip with respect to a tool slide of a numerically controlled machine tool, in particular a lathe.
- 1049/Cal/80. H.D.P. Pavri. Improvements in or relating to a process of printing and means therefor.
- 1050/Cal/80. Maschinenfabrik Rieter A.G. Lacing up of thread treating nozzles.
- 1051/Cal/80. Maschinenfabrik Rieter A.G. Apparatus with a bobbin support member.
- 1052/Cal/80. Maschinenfabrik Rieter A.G. Apparatus for controlling the rotational speed of the spindles of a spinning preparatory machine.
- 1053/Cal/80. Maschinenfabrik Rieter A.G. Method of threading in manual apparatus for implementing the method and application of the method, and of the manual apparatus respectively.

16th September 1980

- 1054/Cal/80. Westinghouse Electric Corporation. Heat exchanger for cooling electric power apparatus.
- 1055/Cal/80. Chicago Pneumatic Tool Company. Impact wrench clutch mechanism.

17th September 1980

- 1056/Cal/80. Mettler's Shone Maschinenfabrik Aktiengesellschaft. Thread winding device for use in thread winding machines.
- 1057/Cal/80. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Open-end spinning rotor consisting of a main body and of a rotor body.
- 1058/Cal/80. The Upjohn Company. Polymeric isocyanate binder with internal release agent. [Addition to No. 816/Cal/79].
- 1059/Cal/80. Ciba-Ciegy AG. Compositions for treating textiles.

1060/Cal/80. General Electric Company. Improved capacitor lead clips.

1061/Cal/80. Siemens Aktiengesellschaft. Cable connector.

1062/Cal/80. A. S. Johnson, Jr. Bag-type filter apparatus with internal air diffuser.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, SARASWATI MARG, KAROL BAGH, NEW
DELHI-110005.

4th August 1980

565/DEL/80. Automotive Products Limited. "Automatic Wear Adjuster for Drum Brakes". (August 31, 1979).

5th August 1980

566/DEL/80 Industrial & Allied Sales (Pvt.) Ltd., "Improvements in or relating to a hand Knitting Machine."

567/DEL/80. Prudential Research Corporation, "A Hammer."

568/DEL/80 Prudential Research Corporation, "An Energy Converter."

569/DEL/80. N. P. Kinariwala, "A Traverse Drum."

570/DEL/80. National Research Development Corporation of India, "An Electrode for use in an Electrolytic Process."

571/DEL/80. Rishi Industrial & Mining Consultants, "A Blast Furnace and Smelter for Producing Tin Metal."

572/DEL/80. Spellman High Voltage Electronics Corporation, "Arc Spreading Device."

7th August 1980

573/DEL/80 Alok Chandola, "Improvements in/or relating to a yurt."

8th August 1980

574/DEL/80. Council of Scientific & Industrial Research, "A Method of Reducing the Clogging of PH Sensitive Glass Electrodes in use."

575/DEL/80. Council of Scientific & Industrial Research, "An Improved Process for the preparation of Synthetic Zeolites of the Faujasite Group."

576/DEL/80. Pfizer Inc., "Preparation of 2, 5-Diketogluconic Acid."

11th August 1980

577/DEL/80. Pearey Lal Gupta, "Art of Printing on Metal by Anodizing Method."

578/DEL/80. Pearey Lal Gupta, "Modified Wheels for use in Petrol Pumps."

579/DEL/80. Council of Scientific & Industrial Research, "A Process for the manufacture of Building Blocks from Lateritic Soils."

580/DEL/80. Central Road Research Institute, "An Adjustable Joint/Connection Device for Draw Bars of Animal Drawn Vehicles or other like."

581/DEL/80. Council of Scientific & Industrial Research, "Catalyst and process for the conversion of alcohols to hydrocarbons."

582/DEL/80. Automotive Products Limited, "A Fluid Assisted Booster." (Sept. 5, 1979).

583/DEL/80. OxySynthese, "Regeneration of Chemical Recombination Catalysts used in a Cyclic Process for the Production of Hydrogen Peroxide and Apparatus therefor."

12th August 1980

584/DEL/80. Neeru Chaudhary, "Improved Electrical Plugs."

585/DEL/80. Bharat Heavy Electricals Ltd., "A Device for Mechanised Air Arc Gouging for the preparation of Edges of Members of Metal for Welding."

586/DEL/80. Yashawant Dittatray Altekar, "A Device for Determining the Time Keeping Accuracy of Watches."

587/DEL/80. Prudential Research Corporation, "A Product Drier."

588/DEL/80. Prudential Research Corporation, "A Prime-mover."

589/DEL/80. Prudential Research Corporation, "A Solar Collector."

590/DEL/80. Prudential Research Corporation, "A Drier for Drying of Air or Gaseous Streams."

591/DEL/80. The A.P.V. Company Limited, "Gasketing of Plate Heat Transfer Apparatus." (August 13, 1979 & January 10, 1980).

592/DEL/80. Societe D'Etudes De Machines Thermiques S.E.M.T., "Improvements in or relating to a method of and device for improving the efficiency of an internal combustion engine through selective variation of the effective compression ratio according to the engine speed."

593/DEL/80. Bayer Aktiengesellschaft, "Azo Dyestuffs and their preparation and use for Dyeing Polyesters."

594/DEL/80. Claude Jaquet, "Rotary Force Generator."

14th August, 1980.

595/DEL/80. Shrish Bhatt, "Electrorchestra."

596/DEL/80. Miles Laboratories, INC., "Ascorbate Resistant Composition, Test Device and method for detecting a component in a liquid Test Sample."

16th August 1980.

597/DEL/80. Pfizer INC., "Novel Anti-inflammatory and Immunoregulatory Pyridines and Pyrimidines."

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, TODI ESTATES (3RD FLOOR), LOWER PAREL (WEST), BOMBAY-13

4th September 1980

256/BOM/80. Camphor & Allied Products Limited. A process for the preparation of epoxy modified rosin and polyrosin.

257/BOM/80. Camphor & Allied Products Limited. A process for the preparation of monoglyceride modified rosin and polyrosin.

258/BOM/80. Camphor & Allied Products Limited. A process for the preparation of maleic and fumaric modified sorbitol esters of rosin.

259/BOM/80. Camphor & Allied Products Limited. A process for the preparation of phenolic modified sorbitol esters of rosin and polyrosin.

260/BOM/80. Hindustan Lever Limited. Deoiling of slack wax.

261/BOM/80. Kirloskar Oil Engines Limited. Portable flexible lightweight low pressure gas such as biogas storage container.

262/BOM/80. Searle (India) Limited. A process for the production of substituted N-alkoxy methyl-2-chloro-acetanilides.

263/BOM/80. Searle (India) Limited. A process for the production of substituted acetonitriles.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600002.

9th September 1980

172/Mas/80. V. Geethaguru. A solar device to get drinking water from brackish or sea water.

173/Mas/80. V. Geethaguru. A device to harness wind energy.

174/Mas/80. S. Swaminathan. Towards larger power from reciprocating engines.

12th September, 1980

175/Mas/80. M.L.N. Sastry. A process for the preparation of enzymes.

176/Mas/80. A. A. Gomez. Aagqua Machine.

ALTERATION OF DATE

148096

210/Bom/78

Post-dated 31st October 1979.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 160C.

148086.

Int. Cl.-B60n 1/02.

A CUSHION SUPPORT STRUCTURE FOR INCORPORATION IN A SEAT.

Applicant : YOUNGIFLEX S.A., 18, RUE FRIES, 1701 FRIBOURG, SWITZERLAND.

Inventor : DAVID THOMAS GRIFFITHS.

Application No. : 282/Cal/78 filed March 16, 1978.

Convention date : April 4, 1977/(14192/77) U.K.

Convention date : July 19, 1977/(30343/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A cushion support structure for incorporation in a seat, more especially a vehicle seat, comprising a pair of spaced longitudinally extending cord members, a plurality of spring metal wires extending transversely between said longitudinal cords and being connected to the latter by being looped

around the same, said transverse wires being spaced apart from one another in the longitudinal direction of said cords, the said transverse wires further having outwardly extending portions which extend beyond at least one of said longitudinal cord, are arranged at an acute angle to axes of the intermediate portions of said transverse wires between the said longitudinal cords, and are connected at their ends, to a further, longitudinally extending, edge-cord, characterised in that the said transverse wires comprises, in addition to said intermediate portions and said outwardly extending portions, portions which extend transversely across said intermediate portions at points adjacent said at least one longitudinally extending cord, whereby the transverse wires are interlocked with themselves, to prevent unwinding of said wires under the influence of outward tension placed upon said at least one longitudinally extending cord.

Comp. Specn. 10 Pages.
CLASS 32B.

Drg. 6 Sheets.
148087.

Int. Cl. C07b 3/00, C07c 5/18, C07d 31/00 33/00.

A PROCESS FOR THE OXYDEHYDROGENATION OF ALKYL AROMATIC COMPOUNDS.

Applicant : THE STANDARD OIL COMPANY, AT MID-LAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

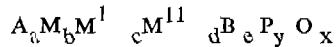
Inventors : JOSEPH PETER BARTEK AND ROBERT KARL GRASSELLI.

Application No. 270/Del/78 filed April 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Delhi Branch.

15 Claims. No drawings.

The process of the oxydehydrogenation of an alkyl aromatic compound to the corresponding alkenyl aromatic wherein said alkyl aromatic contains at least one alkyl group of from 2 to 6 carbon atoms which is attached to a single aromatic ring, and wherein the aromatic group is selected from the group consisting of mononuclear, condensing dinuclear aromatics and the corresponding nitrogen-containing heterocyclic aromatics, the process comprising passing a gaseous mixture of the alkyl aromatic, molecular oxygen and optionally a diluent gas over a catalyst at a temperature of from about 300 to 650°C said catalyst having the composition represented by the following empirical formula :



wherein A is an alkali metal and or thallium; M is one or more of the elements of nickel, cobalt, copper, manganese, magnesium, zinc, calcium, niobium, tantalum, strontium, or barium; M¹ is one or more of the elements of iron, chromium, uranium, thorium vanadium, titanium, lanthanum or the other rare earths; M¹¹ is one or more of the elements of tin, boron, lead, germanium, aluminum, tungsten or molybdenum; B is bismuth, tellurium arsenic, antimony, eadmium or combinations thereof; P is phosphorus; and wherein a through y have the following values :

a=0 to 20;
b=0 to 20;
c=0 to 20;
d=0 to 4;
e=0.1 to 20;
y=8 to 16;

x=the number of oxygens required to satisfy the valence requirements of the other elements present; and wherein the sum of b+c+e is greater than 1.

Comp. Specn. 24 Pages.

Drgs. Nil.

CLASS 155D & 136A.
Int. Cl. B 29 g 7/02.

148088.

PROCESS FOR THE MANUFACTURE OF POROUS ACOUSTIC BOARD.

Applicant & Inventor : DEVARAJAN ANANTHARAMAN, 193, LLOYDS ROAD, GOPALAPURAM, MADRAS-600086, TAMIL NADU.

Application No. 152/Mas/78 filed September 14, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims. No drawing

A process for the manufacture of a porous acoustic board comprising, casting of a composition containing 75 to 85 percent by weight of cement, 25 to 15 percent by weight of asbestos fibre, water and a known foaming agent, compressing the said cast board at the four edges, corners, and other selected places, so as to form dense ribs, leaving the uncomressed portion porous.

Comp. Specn. 2 Pages.

CLASS 168H
Int. Cl. G 09 f 11/12

148089.

AN IMPROVED SIGN FLASHER.

Applicant & Inventor : MARK JANAVAR GOMEZ, RITA COTTAGE, PUTHENCURICHY P.O., TRIVANDRUM DISTRICT, KERALA STATE INDIA.

Application No. 199/Mas/78 filed October 26, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims.

An improved sign flasher comprising an electrical sign supporter or board provided with a plurality of bulbs or lamps or frames or lamps or bulbs, a plurality of contact points corresponding to each bulb or frames of bulbs, and a single brush provided on a conveyor belt to make or break contact with each of the aforesaid contact points.

Comp. Specn. 16 Pages.

Drawings 2 Sheets.

CLASS 126D

148090.

Int. Cl. H 05 k 1/02.

AN IMPROVED EQUIPMENT FOR RIGGING UP ELECTRICAL/ELECTRONIC CIRCUITS.

Applicant & Inventor : MAHALINGAM IYER VENKATESWARAN, DOUBLE STREET, AVANAVENCHERRY, ATTINGAL, KERALA, INDIA.

Application No. 225/Mas/78 filed December 12, 1978.

Complete specification left January 25, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims.

An improved equipment for rigging up electrical or electronic circuits comprising a plurality of metal tubes formed from any electrically conducting metal foils constituting the terminals, said terminals being mounted substantially vertically on a metal laminate provided with a plurality of holes to accommodate the said tubular terminals thereby leaving both ends of each tubular terminal free, the required circuit being pre-etched on the outer surface of the said laminate, and means for providing rigidity to the said panel.

Prov. Specn.—9 Pages Comp. Specn 14—Pages Drwgs. 2 Sheets.

CLASS 98F & 146C.

148091.

Int. Cl. B 60 j 3/02.

AN IMPROVED PORTABLE DEVICE FOR PREVENTING THE GLARE AND HEAT OF THE SUN.

Applicant & Inventor : VEERANANDAL SUBBARAYA DURAI SWAMY, 168, P.H. ROAD, MADRAS-600010, TAMIL NADU, INDIA.

Application No. 226/Mas/78 filed December 13, 1978.

Complete specification left December 11, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

An improved portable device for preventing the glare and heat of the sun, the said device comprising a frame work consisting of an elongated member having its two ends bent to form two arms extending towards each other and having a gap therebetween and the said arms being enveloped by a rotatable roller means to which is adhered a glare preventing sheet member.

Prov. Specn. 5 Pages Com. Specn. 8 Pages. Drwgs. 1 Sheet.

CLASS-24D. 148092.
Int. Cl. B60t-15/50.

BRAKE FLUID RESERVOIRS.

Applicants : AUTOMOTIVE PRODUCTS LIMITED, OF TACHBROOK ROAD, LEAMINGTON SPA, WARWICKSHIRE, CV31 3ER, ENGLAND.

Inventors : HAROLD HODKINSON.

Application No. 676/Del/78 filed on September 19, 1978.

Convention date : October 25, 1977 (44240/77) U.K.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims

A brake fluid reservoir for a dual circuit braking system said reservoir comprising two chambers and chargeable with fluid and which are interconnected for the flow of fluid from one chamber to the other chamber through a float controlled valve means which substantially closes against fluid flow when there is a minimum desired fluid level in the reservoir.

Complete Specification 9 pages and Drawing 1 Sheet.

Class 190 D 148093.
Int F03 d 11/02.

ROTOR BLADE FOR WIND OPERATED POWER GENERATORS.

Applicant & Inventor : WALTER SCHONBALL THURINGERSTRASSE 6, D-53, BONN, WEST GERMANY.

Application No. 9/BOM/77 FILED JAN 10, 1977.

Complete specn left April 5, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

7 Claims

1. A rotor blade for a wind operated power generator, comprising a plurality of spars secured to one another in lateral contact with one another to provide an integral unit thereof, similar to a plank in which the surface contact of the spars is provided in such a way that the spars follow over the length of the rotor blade, an angle of twist, beginning at one end and ending at an end opposite end of the blade; a skin embedding the spars and having an exterior, aerodynamic shape; and means for directly attaching the spars to a hub of the power generator and in which the number of spars is reduced over a length extension of the blade in such a way that the greatest number of spars is situated near the means for attaching the spars to the hub and that the smallest number of spars is situated at an opposite end thereof.

Provisional specn 6 pages drawing 1 sheet.

Complete specn 9 pages drawing 2 sheets.

Class : 56F. 148094.
Int. Cl. A 61 1 1/00, 3/00+A61K 9/04.

"METHOD AND APPARATUS OF CLEANING AND POLISHING THE OUTER SURFACE AREA OF FILLED CAPSULES".

Applicants : MANEKLAL SCIENTIFIC RESEARCH FOUNDATION, A-1, BRIGHTON, NO. 1, RUNGTA-LANE, OFF NEPEAN SEA ROAD, BOMBAY-400 006, INDIA.

Inventor : GIRI KISHOR LALL.

Application No. 18/Bom/1977 Filed Jan. 14, 1977.

Complete Specn. left April 14, 1978.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

13 Claims

A method of cleaning and polishing the outer surface area of filled capsules which comprises locating said capsules one in each of series of apertures extending transversely from the upper face to the lower face of a conveyor of sheet material, each of said apertures opening into one lateral face of said conveyor in such a manner that capsules located within said apertures are exposed over their length through said lateral face of the conveyor, moving said conveyor at high speed so as to be in contact with stationary upper, lower and lateral polishing surfaces of guide cum retaining means located in contractual relationship against the upper, lower and said one lateral face of the conveyor respectively whereby the capsules within the apertures are subjected to frictional polishing over the entire area of their upper and lower ends and peripheral surfaces, each of said capsules being caused to rotate about its longitudinal axis within its respective aperture by virtue of the frictional force exerted thereon by the movement of the conveyor in contact with the polishing surface of the laterally disposed guide cum retaining means said frictional pressure against the capsules being instrumental in polishing the entire surface thereof.

Provisional specification : 5 Pages Drawing : 2 sheets; Comp. Specification : 11 Pages. No Drawings.

CLASS : 32F₁+32F_{2a}+32F_{2b} 148095.
Int. Cl.-C07c 87/00, 103/00+C07d 27/00, 29/00, 51/00, 87/00.

A PROCESS FOR THE PREPARATION OF SUBSTITUTED AMINO ALKYL SALICYLANILIDES AND AMINO ALKYL THIOSALICYLANILIDES.

Applicants : SARABHAI RESEARCH CENTRE, DIVISION OF AMBALAL SARABHAI ENTERPRISES PRIVATE LIMITED, WADI WADI BARODA, INDIA.

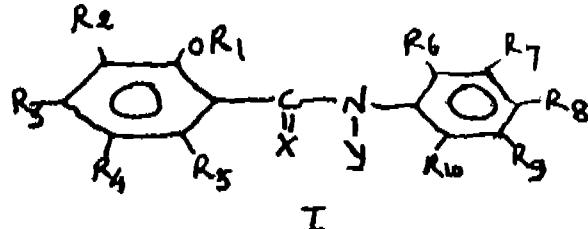
Inventors : 1. NARAYAN KRISHNA KUMAR, 2 HARINDRA SINGH, 3 KISHAN LAL MUNSHI, 4 KHADIJA ZIAUDDIN SHAIKH, 5 CHANDRAKANT DEVIDAS LOVEKAR, 6 DEVABRATA SETH, 7 ARIYANAYAGIPURAM VISVANATHAN RADHAKRISHAN, 8 NARUMANCHI SIVARAMAKRISHAN, 9 SASHIKANT HIRALAL PARIKH, 10 GOPAL PRASAD DAS, 11 PYARA KRISHEN GROVER.

Application No. 208/BOM/78 filed July 13, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

1 Claim

A process for the preparation of substituted aminoalkyl salicylanilides and aminoalkyl thiosalicylanilides of the general formula I.



wherein R₁ stands for hydrogen or alkyl group of not more than 10 carbon atoms, for example methyl, ethyl, n-propyl, iso-propyl or optionally substituted aromatic group, for example phenyl, p-nitrophenyl, p-chlorophenyl or acetoxy or alkylaminoalkyl, for example dimethylaminoethyl, diethylaminoethyl or an aminoalkyl group wherein amino function

is part of a heterocycle, for example pyrrolidinoethyl, piperidinoethyl, morpholinoethyl or N-methyl piperazinooethyl;

R^a stands for a dialkylaminoalkyl group for example dimethyl aminomethyl, diethylaminomethyl or an amino alkyl group wherein the amino group is part of a heterocycle, for example pyrrolidinomethyl, piperidinomethyl, N-methyl piperazinomethyl, morpholinomethyl or optionally substituted anilinoalkyl for example anilino methyl;

R^a and R₁ stand for the different or the same groups like hydrogen or halogen, for example fluoro, chloro, bromo or hydroxy or alkoxy group of not more than 4 carbon atoms, for example methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy or alkylthio of not more than 4 carbon atoms, for example methylthio, ethylthio, propylthio or nitro or halogenoalkyl group of 1-4 carbon atoms, for example trifluoromethyl or alkylamino group, for example dimethylamino group or dialkylaminoalkyl group, for example dimethylaminomethyl, diethylaminomethyl or an aminoalkyl group wherein amino group is part of a heterocycle, for example pyrrolidinomethyl, piperidinomethyl, N-methyl piperazinomethyl, morpholinomethyl or optionally substituted anilinoalkyl, for example anilino methyl;

R₄ stands for a halogen for example fluoro, chloro or bromo and also for alkoxy group of not more than 4 carbon atoms, for example methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy or alkylthio of not more than 4 carbon atoms, for example methylthio, ethylthio, propylthio or nitro or halogenoalkyl group of 1-4 carbon atoms, for example trifluoro-methyl or alkylamino group, for example dimethylamino group or dialkylaminoalkyl group, for example dimethylaminomethyl, diethylaminomethyl or an aminoalkyl group wherein amino group is part of a heterocycle, for example pyrrolidinomethyl, piperidinomethyl, N-methyl piperazinomethyl, morpholinomethyl or optionally substituted anilinoalkyl, for example anilino methyl;

R₆, R₇, R₈ and R₁₀ stand for the different or the same groups like hydrogen or halogen, for example fluoro, chloro, bromo, or nitro or halogeno-alkyl, for example trifluoromethyl or alkoxy group of not more than 4 carbon atoms, for example methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy or optionally substituted aryloxy group, for example phenoxy, p-nitrophenoxy, p-chlorophenoxy, 3,4-dichlorophenoxy or optionally substituted thiophenoxy, for example p-nitrothiophenoxy, p-chlorothiophenoxy or alkylaminoalkyl, for example methylaminomethyl, ethylaminomethyl, propylaminomethyl or dialkylaminoalkyl, for example dimethylaminomethyl, diethylaminomethyl, dipropylaminomethyl or an aminoalkyl group wherein amino group is part of a heterocycle, for example pyrrolidinomethyl, piperidinomethyl, morpholinomethyl, N-methyl piperazinomethyl or optionally substituted anilinoalkyl, for example anilinomethyl;

R₉ stands for a halogen, for example fluoro, chloro, or bromo and also for nitro or halogeno-alkyl, for example trifluoromethyl or alkoxy group of not more than 4 carbon atoms, for example methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy or optionally substituted aryloxy group for example phenoxy, p-nitrophenoxy, p-chlorophenoxy, 3,4-dichlorophenoxy or optionally substituted thiophenoxy, for example p-nitrothiophenoxy, p-chlorothiophenoxy or alkylaminoalkyl, for example methylaminomethyl, ethylaminomethyl, propylaminomethyl or dialkylaminoalkyl, for example dimethylaminomethyl, diethylaminomethyl, dipropylaminomethyl or an aminoalkyl group wherein amino group is part of a heterocycle, for example pyrrolidinomethyl, piperidinomethyl, morpholinomethyl, N-methyl piperazinomethyl or optionally substituted anilinoalkyl, for example anilino methyl;

X stands for O or S;

Y stands for hydrogen or alkyl group of 1-10 carbon atoms, for example methyl, ethyl, n-propyl or optionally substituted aromatic group, for example phenyl, p-chlorophenyl or cycloalkyl of 3-6 carbon atoms which comprises reacting a salicylanilide or thiosalicylanilide of the general formula I of the accompanying drawings wherein R^a stands for hydrogen, with an amine selected from (a) a primary aliphatic amine or a secondary aliphatic amine wherein the amino function may be a part of a heterocycle, such as morpholinomethyl piperidinomethyl or pyrrolidinomethyl or (b) substituted aromatic amine such anilino methyl, in the

presence of formaldehyde, the reaction being conducted using alcoholic solution of the starting material under reflux conditions and if necessary the compounds of formula I so obtained can be converted to their pharmaceutically acceptable salts in a conventional manner.

Comp. Specn—15 pages Drawings—4 sheets.

CLASS 39B.

148096.

Int. Cl. C01d 7/18.

"A METHOD OF PREPARING AMMONICAL BRINE FOR USE IN THE MANUFACTURE OF SODA ASH BY THE SOLVAY AMMONIA PROCESS".

Applicants : DHRANGADHRA CHEMICAL WORKS, LIMITED, 'NIRMAL' 3rd FLOOR, 241, BACKBAY RECLAMATION, NARIMAN POINT, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : (1) JAI GOPAL JAIN (2) AMITENDU GUPTA.

Application No. 210/Bom/1978, filed July 15, 1978. Post dated to 31st October, 1979.

Appropriate Office for opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

A method of preparing ammonical brine for use in the manufacture of soda ash by the Solvay ammonia Process comprising reducing the strength of ammonia to the extent of 10% in the free ammonia liquor as herein described by addition of water as herein described and subsequently saturating the thus diluted free ammonia liquor with common salt.

Complete Specn. 7 Pages.

No drawings.

CLASS 15D & 172 D^a & D^b.

148097.

Int. Cl. D01h 7/04.

IMPROVEMENTS IN OR RELATING TO BEARING UNIT ASSEMBLY FOR SPINDLE OF SPINNING AND TWISTING MACHINES.

Applicant : SKF KUGELLAGERFABRIKEN GMBH., ERNST-SACHS-STRASSE 2-8, SCHEINFURT 2, GERMAN FEDERAL REPUBLIC.

Inventor : HERBERT LAMMLE.

Application No. 1204/Cal/77 filed August 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A bearing unit or assembly for spindles of spinning and twisting machines including a bolster, an insert within the bolster and an upper bearing assembly, a mounting at the upper end of the insert which mounting embraces the upper roller bearing characterized in that the portion of the mounting which is engaged within the upper part of the bolster is made to press fit through deformations formed either on the outer surface of the said portion of the mounting or on the inner surface of the bolster portion engaging said mounting, the opposing surface being made plan so that during press fit the deformations cause press fitting of the mounting within the said upper part of the bolster.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 4A.

148098.

Int. Cl. B60t 9/00.

CARTRIDGE CASING FOR A PROPELLANT CHARGE.

Applicant : RHEINMETALL GMBH, 4 DUSSEIDORF, ULMENSTRASSE 125, WEST GERMANY.

Inventors : HANS WERNER LUTHER & PETER BEN-DER.

Application No. 1353/Cal/77 filed September 1, 1977.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A cartridge casing for a propellant charge contained in a combustible container, at least the lower part of said charge container being adapted to be housed in said casing, wherein said casing comprises a base having an upstanding rim and a fastening means, said rim defining a profile such as to house the charge container in a good fit and on the top edge of which rim is provided an annular resilient packing ring, the latter circumscribing the outer surface of the charge container, while said fastening means is adapted to receive a resilient annular bearing plate member, which, when fitted to the base through said fastening means, is adapted to keep the charge container seated on the base such that the container is allowed to move laterally in relation to the base without damage to the said container or to the fastening means, and sideward forces, if any, acting on the said charge container are adapted to be absorbed due to the flexible relation between said bearing plate and said resilient packing ring, said plate member having apertures therethrough and radial slits extending inward from the periphery.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 145B & D & F.

148099.

Int. Cl. D21d 5/22.

APPARATUS FOR CLEANING AND DEAERATING A SUSPENSION OF PAPERMAKING STOCK.

Applicant : CLARK & VICARIO CORPORATION, AT 9620 EXECUTIVE CENTER DRIVE NORTH, ST. PETERSBURG, FLORIDA 33702, UNITED STATES OF AMERICA.

Inventors : ROBERT GEORGE KAISER AND JON-JACOB JACK JACOBSSON.

Application No. 485/Del/77 filed December 19, 1977.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

36 Claims.

In apparatus for cleaning and deaerating a suspension of papermaking stock which includes

a plurality of centrifugal cleaners for separating the suspension into dirt-rich and dirt-poor fractions, cleaner having an elongated body with a generally smooth outer surfaced upper body part, outlets at the opposite ends of said body through which dirt-rich and dirt-poor fractions can discharge therefrom, and at least one inlet in the side of said upper body part through which suspension is introduced into said cleaner,

a feed plenum,

means for supplying a flow of suspension to the interior of said plenum, the cleaners in said stage being readily removably mounted in said feed plenum with the inlets to each disposed within said plenum submerged in said suspension flow, said cleaners further being oriented parallel one with the others and with the major axis of each in substantially vertical disposition with the dirt-rich and dirt-poor outlets located at the respective lower and upper ends of said body,

said supply means supplying suspension to said feed plenum with sufficient force to introduce it into said cleaners and separate it therein into dirt-rich and dirt-poor fractions and further to discharge said fractions from said cleaners,

an enclosed receiver for receiving the dirt-poor fraction from said cleaners, said feed plenum being disposed at the underside of said receiver,

evacuating means connected to the receiver for maintaining the interior thereof under a condition of vacuum, so as to lead to deaerating of the suspension of paper making stock,

each cleaner having pipe means connecting the dirt-poor discharge outlet of said cleaner with said receiver, and entering said receiver by means of fluid tight joint connection therewith, and pipe means terminating in an open end within said receiver above the level of any dirt-poor suspension collecting therein, and

a chamber connected with the dirt-rich discharge outlet of each cleaner for collecting dirt-rich suspension discharging from said cleaners, there being means connected with said chamber for maintaining the interior thereof under a condition of vacuum.

Comp. Specn. 31 Pages.

Drg. 13 Sheets.

CLASS 56B.

148100.

Int. Cl. C10g 13/02.

PROCESS FOR THE CATALYTIC REFORMING OF A HYDROCARBON CHARGE STOCK IN A MULTIPLE-STAGE REACTOR SYSTEM.

Applicant : UOP INC., AT TEN UOP PLAZA-ALGONQUIN AND MT PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventors : ROGER LYNN PEER AND IRVIN SIMON FISCH.

Application No. 28/Del/78 filed January 12, 1978.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims.

A process for the catalytic reforming of hydrocarbon charge stock in a multiple-stage reactor system in which (1) catalyst particles flow downwardly, via gravity, through each reaction zone in said system, (2) catalyst particles from one reaction zone are introduced into the next succeeding reaction zone, (3) deactivated catalyst particles are withdrawn from said system through the lower end of the last reaction zone and, (4) fresh, or regenerated catalyst particles are introduced into the upper end of first reaction zone in said system, which process comprises the sequential steps of :

- reacting said charge stock, in the absence of added hydrogen, in said last reaction zone, from which deactivated catalyst particles are withdrawn from said system, at catalytic reforming conditions;
- further reacting the effluent from said last reaction zone in at least one intermediate reaction zone, at catalytic reforming conditions;
- further reacting the effluent from said intermediate reaction zone through which fresh, or regenerated catalyst particles are introduced into said system, at catalytic reforming conditions; and,
- recovering a normally liquid, catalytically-reformed product from the effluent withdrawn from said first reaction zone by any conventional means; said process being further characterized in that said first reaction zone contains the greatest amount of catalyst particles and said last reaction zone contains the least amount of catalyst particles.

Comp. Specn. 20 Pages.

Drg. 1 Sheet.

CLASS 131B.

148101.

Int. Cl. E21b 21/00.

DRILL BIT WITH SUCTION JET MEANS.

Applicant : INSTITUT FRANCAIS DU PETROLE, 4, AVENUE DE BOIS-PREAU 92502 RUEIL MAI MAISON (FRANCE).

Inventors : YVON CASTEL AND HENRI CHOLET.

Application No. 104/Cai/78 filed January 28, 1978.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A drill bit comprising a body member rotatable by a bit holder, said body member being provided with a recess which can be supplied with a pressurized fluid through the bit holder, a plurality of rotatable element carried by the body member and provided with ground cutting means in contact with the hole bottom, flushing means for delivering at least one flushing fluid jet directed towards the hole bottom, said flushing means comprising at least a first calibrated aperture provided in said body member and in direct communication with said recess and opening in a first space comprised between two adjacent rotatable elements, suction means for the drilling fluid which has flushed the rotatable elements, said suction means being adapted to deliver at least one upwardly directed fluid jet, said suction means comprising at least one second aperture provided in said body member and located above a second space comprised between two adjacent, rotatable elements, said drill bit comprising at least one flushing nozzle located in said first space, said nozzle being provided at its lower part with at least two apertures adapted to create fluid jets respectively directed towards the two rotatable elements between which said first space is defined.

Comp. Specn. 10 Pages.

Drg. 5 Sheets.

CLASS 72B.

148102.

Int. Cl. C06b 9/04.

TERNARY EXPLOSIVE COMPOSITIONS AND AN EXPLOSIVE CHARGE CONTAINING THE SAME.

Applicant : SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS OF 12, QUAI HENRI IV, 75181 PARIS CEDEX 04, FRANCE.

Inventors : KEHREN JEAN-PAUL, AND OUSSET ROBERT.

Application No. 95/Del/78 filed February 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A ternary explosive composition which comprises trinitrotoluene, hexogen and dinitroglycoluril.

Comp. Specn. 20 Pages.

Drg. 1 Sheet.

CLASS 69-1.

148103.

Int. Cl. F21r 23/04.

AN ELECTRODE FOR USE IN A VACUUM ARC SWITCHING DEVICE.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, OF ANSAL BHAVAN, 18-20, KASTURBA GANDHI MARG, NEW DELHI-110 001, INDIA.

Inventor : NANDURI VIDYARDHI.

Application No. 119/Del/78 filed February 13, 1978.

Complete Specification left May 9, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

An electrode for use in a vacuum arc switching device consisting of at least a first and second conducting elements to form said electrode, said first and second conducting elements made of different metals or alloys.

Prov. Specn. 5 Pages.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 32F^a & 55D^a.

148104.

Int. Cl. C07c 101/44, A01n 9/00.

A PROCESS FOR THE PREPARATION OF NOVEL ESTERS OF AMINO ACIDS.

Applicant : ZOECON CORPORATION, 975 CALIFORNIA AVENUE, PALO ALTO, CALIFORNIA 94304 U.S.A.

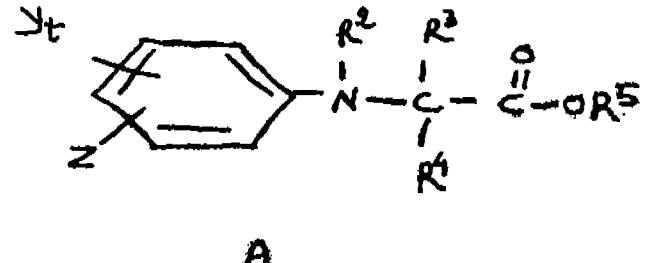
Inventors : CLIVE ARTHUR HENRICK AND BARBARA ANNE GARCIA.

Application No. 264/Cal/78 filed March 13, 1978.

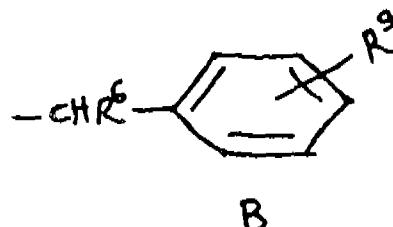
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

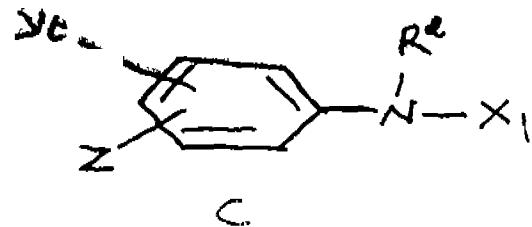
A process for preparing compounds of formula A.



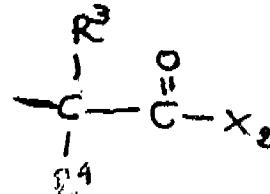
wherein R⁶ is hydrogen, lower alkyl, lower haloalkylcarbonyl, or formyl; R⁵ is lower alkyl of 2 to 5 carbon atoms, lower alkenyl of 2 to 5 carbon atoms, lower haloalkyl of 1 to 4 carbon atoms, lower haloalkenyl of 2 to 4 carbon atoms, or lower cycloalkyl of 3 or 4 carbon atoms; R⁴ is hydrogen or fluoro; Y is chloro, fluoro, or methyl; t is zero or one; Z is hydrogen, bromo, chloro, fluoro, trifluoromethyl, tri-fluoromethoxy, lower alkyl, lower alkoxy, lower alkylthio or cyano; R² is radical of formula B.



wherein, R⁶ is hydrogen, methyl, ethynyl or cyano; and R² is phenoxy, chlorophenoxy, fluorophenoxy, methylphenoxy or trifluoromethoxy; and term 'loweralkyl, lower alkoxy, lower haloalkyl, lower alkylthio' being as herein defined and the salts thereof of a strong inorganic or organic acid which comprises reacting an acid compound and of formula C.



wherein Y, Z and R⁶ are as defined before and X₁ is radical of formula E.



wherein R³ and R⁴ are as defined before and X₂ represents a hydroxyl with a compound of formula D.

R⁵-Hal

where Rⁿ is as defined before and Hal is halogen, the salts being prepared in the conventional manner.

Comp. Specn. 21 Pages.

Drg. 1 Sheet.

CLASS 123.

148105.

Int. Cl. C05b 7/00.

A PROCESS FOR THE PRODUCTION OF AN ALKALI-CONTAINING CALCINED-PHOSPHATE FERTILISER.

Applicant : KALI-CHEMIE AKTIENGESELLSCHAFT, OF POSTFACH 220, 3 HANNOVER 1, GERMAN FEDERAL REPUBLIC.

Inventors : ULRICH HAUSCHILD, HANS-HEINZ KASPERS AND HEINRICH ROTGER.

Application No. 225/Del/78 filed March 28, 1978.

Convention date February 7, 1978/(04956/78) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Delhi Branch.

9 Claims. No drawings.

A process for the production of an alkali-containing calcined-phosphate fertilizer wherein a mixture comprising a crude phosphate, an alkali metal carbonate and/or an alkali metal hydroxide, phosphoric acid and silica is calcined in a rotary kiln at a temperature of from 900 to 1300°C, there being in the mixture to be calcined from 1.1 to 1.8 moles of Me₂O where Me is an alkali metal for each 1 mole of P₂O₅, and the amount of silica being so chosen that calcium oxide which is present in the mixture and which does not react with the P₂O₅ to give CaMePO₄ is converted into calcium orthosilicate, and wherein the phosphoric acid is introduced directly into the rotary kiln and in finely-divided form, is brought on to the heated mixture in such manner that the free as well as chemically bound water of the phosphoric acid evaporates rapidly and the mixture is subsequently decomposed.

Comp. Specn. 15 Pages.

Drgs. Nil.

CLASS 32Fb.

148106.

Int. Cl. C07c 63/26.

A PROCESS FOR RECOVERING THE CATALYST AND THE SOLVENT IN A SYNTHESIS OF TEREPHTALIC ACID.

Applicant : MONTEDISON S.P.A., OF 31, FORO BOUNAPARTE, MILAN, ITALY.

Inventors : PIERO BORTESI, SERGIO TONTI, RAFFAELE TANCORRA, GIUSEPPE COSTANTINI, MAURO SERAFINI AND PIETRO PAOLI.

Application No. 356/Cal/78 filed April 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for recovering the catalyst and the solvent in a synthesis of terephthalic acid, which synthesis comprises oxidation of paraxylene in acetic acid solution, in the presence of a catalytic system based on manganese, bromine and cobalt, wherein the manganese amount is from 50 to 1000 parts per million parts of acetic acid, the manganese : cobalt ratio is from 2 : 1 to 4 : 1 by weight and the bromine : manganese ratio is from 2 : 1 to 4 : 1 by weight and the bromine : manganese ratio is from 0.5 : 1 to 1.65 : 1 by weight and wherein bromine is added as elemental bromine, in the presence of acetaldehyde or of other suitable reducing compound, whereby water is formed during said oxidation and wherein solid terephthalic acid is separated from the mother liquor, said process being characterized by the fact that the amount of solids suspended in the mother liquor is lowered to less than 0.30% and preferably to less than 0.05% by weight with respect to the mother liquor, and that successively the mother liquor is partially anhydritified, by means of distillation, so as to reduce its water percentage to less than 5% with respect to acetic acid, wherein a portion of the partially anhydritified liquor, containing at least 50% of catalytic system, is

recycled to the oxidation zone, the remaining portion being fed as a purge to conventional treatments for the separation and the regeneration of the catalytic system.

Comp. Specn. 17 Pages.

Drg. 5 Sheets.

CLASS 127-I.

148107.

Int. Cl. F16d 3/22.

FLEXIBLE SEALING MEMBER FOR UNIVERSAL JOINTS.

Applicant : GKN TRANSMISSIONS LTD., OF CHESTER ROAD, ERDINGTON, BIRMINGHAM B24 ORB, WEST MIDLANDS, ENGLAND.

Inventors : IVOR GEORGE SANKEY AND COLIN FRANCIS SAMUEL TURNER.

Application No. 562/Cal/77 filed April 13, 1977.

Convention date May 14, 1976/(19952/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A flexible sealing member for a universal joint of the kind specified, the sealing member being of generally annular form and including a first attachment portion adapted to be connected to the outer joint member, a second attachment portion adapted to be connected to the inner joint member, and a sealing formation comprising an inwardly presented annular bead formation adjacent or forming part of said second attachment portion for sealingly engaging shaft received in the bore in the inner joint member.

Comp. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 196B.

148108.

Int. Cl. E21f 7/00.

APPARATUS FOR REMOVING DUST PARTICLES FROM AN AIR STREAM.

Applicant : VEREINIGTE OSTERREICHISCHE EISEN-UND STAHLWERKEALPINE MONTAN AKTIENGESELLSCHAFT, OF 1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : EMANUEL STRAHSNER AND SIEGFRIED SIGOTT.

Application No. 967/Cal/77 filed June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims.

Apparatus for removing dust particles from an air stream, particularly for the ventilation of mines, in which the dust-laden air to be fed to a separator is forced by a blower through a Venturi tube and water is added through a nozzle to the air as it flows through the Venturi tube, which comprises a plurality of Venturi tubes (3) being connected in parallel and inserted in a tubular housing (16.70), which is at least partly jacketed by a water tank for holding the water to be supplied to said nozzle.

Comp. Specn. 25 Pages.

Drg. 5 Sheets

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the under specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta at two rupees per copy :—

(1)

139901 139924 139986 139987 139994 140108

(2)

142310 142313 142349 142350 142352

(3)	140212 (27-12-72) Process for refining molten aluminium.
147280 147281 147282 147283 147284 147285 147288 147289 147290 147291 147293 147294 147295 147296 147297 147298 147300 147301	140240 (11-01-74) Process of recovering isoprene from a mixture of isoprene and other hydrocarbons.
(4)	140263 (22-03-74) A process for manufacture I 2, 4-quinaldine polyamide.
147268 147269 147270	140266(01-11-74) Method for gaseous reduction of metal ores.
(5)	140294 (20-06-73) A method of preparing condensed thermoplastic polymer.
147441 147442 147444 147445	140296 (16-01-74) Process for the after treatment of azo-pigment.
(6)	140306 (24-01-73) Process for preparing new N-(aminobenzoyl)-amino aryl sulfonic acids.
140776	140342 (01-10-73) A method of treating industrial waste for the recovery of chemical substances therefrom such as compounds of iron magnesium and aluminum.
PATENTS SEALED	140357 (23-04-75) Improved process for the simultaneous manufacture of feedgrade dicalcium phosphate and phosphoric acid.
144134 146508 146537 146683 146766 146773 146846 146849 146887 146915 146925 146932 146933 146962 146965 147013 147016 147019 147071 147087	140647 (30-01-75) A method of preparing a blend of an oxidizer a sensitizer & fuel in a liquid phase for the manufacture of slurry explosive therefrom.
PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"	RENEWAL FEES PAID
The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.	101001 101217 101468 101805 101890 102045 102292 103355 105930 106373 106449 106451 106771 106854 106939 107355 107570 107683 107715 107817 108820 111165 111412 111849 111926 111978 112037 112086 112368 112382 112475 112551 113007 113262 113773 114224 115489 116538 116671 116797 116816 117092 117319 117436 117437 117445 117468 117515 117646 117871 117981 118074 118234 118327 118335 118367 119115 120492 121128 122693 122847 122873 122954 123019 123092 123167 123204 123677 123820 123950 124015 124377 125358 127059 127236 127593 127675 128073 128401 128448 128605 128644 128662 128699 128799 128899 129020 129034 129038 129127 129139 129264 130926 131900 131907 132026 132040 132089 132261 132378 132405 132414 132548 132643 132761 132784 132809 132929 133001 133003 133070 133137 133139 133163 133168 133270 133299 133309 133325 133378 133409 133443 133612 133961 135351 135495 135567 135631 135639 135892 135928 135929 135933 136205 136584 136657 136676 136722 136723 136731 136847 136899 136955 136973 136985 137184 137410 137508 137738 138183 138217 138310 138749 139151 139161 139163 139230 139242 139292 139299 139328 139478 139500 139618 139627 139656 139857 139858 139943 140006 140264 140273 140278 140346 140400 140411 140420 140577 140583 140620 140646 140684 140809 140827 140936 140995 141007 141018 141204 141264 141316 141373 141539 141595 141623 141666 141730 141771 141846 141874 141885 141919 142084 142102 142106 142167 142172 142187 142224 142307 142460 142461 142466 142571 142573 142574 142590 142654 142706 142754 142810 142868 142975 142977 142999 143076 143085 143126 143191 143278 143284 143374 143415 143421 143461 143521 143528 143619 143669 143712 143737 143745 143785 143806 143875 143949 143968 143969 144081 144278 144356 144400 144431 144472 144518 144638 144663 144664 144677 144717 144928 145119 145188 145296 145380 145494 145674 145684 145693 145742 145752 145769 145770 145779 145884 145891 145915 145928 145931 145965 145996 146013 146170 146192 146196 146200 146221 146224 146319 146330 146394 146395 146455 146449 146457 146459 146482 146498 146531 146585 146645 146694 146729 146735 146737 146745 146763 146774 146819 147073 147268 147309 147370 147372 147423

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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135239 granted to Balram Dwarkadas Nagpal for an invention relating to "improvements in or relating to food warmer device and the like".

The patent ceased on the 20th January, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 3rd May, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 139690 granted to Larsen & Toubro Limited for an invention relating to "a grooving tool".

The patent ceased on the 8th April, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 5th July, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142829 granted to Bhagat Engineering Co. Pvt. Ltd., for an invention relating to "a module for use in a structural assembly".

The patent ceased on the 8th December, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142830 granted to Bhagat Engineering Co. Pvt. Ltd., for an invention relating to "a module for use in a structural assembly".

The patent ceased on the 8th December, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142951 granted to Bhagat Engineering Co. Pvt. Ltd., for an invention relating to "a cross girder intermediate module for use in a structural assembly".

The patent ceased on the 17th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142952 granted to Bhagat Engineering Co. Pvt. Ltd., for an invention relating to "a module for use in a structural assembly".

The patent ceased on the 17th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142953 granted to Bhagat Engineering Co. Pvt. Ltd., for an invention relating to "a module for use in a structural assembly".

The patent ceased on the 17th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A

written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142954 granted to Bhagat Engineering Co. Pvt. Ltd., for an invention relating to "a module for a structural assembly".

The patent ceased on the 17th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharna Jagdish Bose Road, Calcutta-17 on or before the 18th December 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application for restoration of Patent No. 120228 dated the 13th March, 1968 made by Electrolytic Zinc Company of Australasia Limited on the 10th August, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 5th January, 1980 has been allowed and the said patent restored.

(10)

Notice is hereby given that an application for restoration of Patent No. 140852 dated the 5th September, 1973 made by University of Utah on the 3rd September, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 8th March, 1980 has been allowed and the said patent restored.

(11)

Notice is hereby given that an application for restoration of Patent No. 142145 dated the 20th March, 1975 made by Girling Limited on the 27th July, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 26th January, 1980 has been allowed and the said patent restored.

(12)

Notice is hereby given that an application for restoration of Patent No. 142386 dated the 26th March, 1974 made by Girling Limited on the 27th July, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 26th January, 1980 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 149212. Shiv Mohan Band of 3022/38, Beaden Pura, Karol Bagh, New Delhi-110005, an Indian Partnership Concern. "Band Trolley". January 25, 1980.

Class 3. No. 149262. Mohan Brothers and also trading as M. B. Products of 5313 Sindhi Market, Sadar Bazar, Delhi-110006, a Partnership Firm. "Razor". February 6, 1980.

Class 3. No. 149275. Mohan Brothers and also trading as M. B. Products of 5313 Sindhi Market Sadar Bazar, Delhi-110006, a Partnership Firm. "Razor". February 6, 1980.

Class 3. No. 149282. Roplas (India) Limited, an Indian Company of Eucharistic Congress Building No. 11, 5, Convent Street, Bombay-400039, Maharashtra, India. "A vehicle". February 11, 1980.

Class 3. No. 149297. N. V. Philips' Gloeilampenfabrieken, a limited liability company of Emmasingel 29, NL-5611 Eindhoven, The Netherlands. "Dry Shaver". Priority date October 24, 1979.

Class 3. No. 149298. N. V. Philips' Gloeilampenfabrieken, a limited company of Emmasingel 29, NL-5611 Eindhoven, The Netherlands. "Dry Shaver". Priority date October 24, 1979.

Class 3. No. 149299. N. V. Philips' Gloeilampenfabrieken, a limited company of Emmasingel 29, NL-5611 Eindhoven, The Netherlands. "Dry Shaver". Priority date October 24, 1979.

Class 3. No. 149337. Murphy India Limited of Nitmal, 241-242 Backbay Reclamation, Nariman Point, Bombay-400021, State of Maharashtra, India. "Radio-cum-transistor". March 4, 1980.

Class 4. No. 149300. Mulco Electronics Limited, Bakthawar, Nariman Point, City of Bombay, State of Maharashtra, India. "Capacitors". February 18, 1980.

Class 4. No. 149301. Mulco Electronics Limited, Bakthawar, Nariman Point, City of Bombay, State of Maharashtra, India. "Capacitors". February 18, 1980.

Class 4. No. 149302. Mulco Electronics Limited, Bakthawar, Nariman Point, City of Bombay, State of Maharashtra, India. "Capacitors". February 18, 1980.

Class 4. No. 149303. Mulco Electronics Limited, Bakthawar, Nariman Point, City of Bombay, State of Maharashtra, India. "Capacitors". February 18, 1980.

CANCELLATION OF THE REGISTRATION OF DESIGNS (SECTION 51-A)

The applications have been filed by (1) Maheswari Engineering Works (2) Padam Fan Industries (3) Jagat Industries (4) Engineering & Pulp Products Pvt. Ltd., and (5) Jawaharlal Munshi Trading as Tarang Electricals, for cancellation of the registration of Design No. 148719 in Class I in the name of National Winder and also as Raj Kumar Sah and Sons.

S. VEDARAMAN
Controller-General of Patents, Designs
and Trade Marks.